

CLAIMS

1. Discharge device for manually producing a volume flow through a discharge stroke, comprising:
  - a medium reservoir for at least one medium;
  - a discharge opening;
  - a holding area;
  - a locking device;
  - a pumping device; and
  - a working area associated with said pumping device,the working area having in an inoperative position a detachable, positive connection with a holding area via a locking device, wherein the locking device has an at least zonally corrugated cross-section in at least one plane orthogonal to a discharge stroke direction .
2. Discharge device according to claim 1, wherein the corrugated cross-section is polygonal.
3. Discharge device according to claim 1, wherein on at least one corrugated projection of the locking device facing the working area is provided a locking element.
4. Discharge device according to claim 1, wherein the locking device is at least zonally made flexible by a uniform wall thickness in the at least zonally corrugated cross-sectional area.
5. Discharge device according to claim 1, wherein the locking device is at least zonally made flexible by a sectionally varying wall thickness in the at least zonally corrugated cross-sectional area.
6. Discharge device according to claim 3, wherein the locking element has a contour adapted to the geometry of the working area, the contour is realized on a face remote from the corrugated projection and the locking element is provided as a guide element for said working area

7. Discharge device according to claim 1, wherein the working area is provided on an outer face of the medium reservoir.
8. Discharge device according to claim 1, wherein the working area is provided on an outer face of a feed sleeve;  
the feed sleeve embraces the medium reservoir at least zonally and is mounted in limited displaceable manner in the holding area.
9. Discharge device according to claim 8, wherein the feed sleeve is controllable by a pressure sleeve and at least one detachable, positive pressure position is provided between the feed sleeve and the pressure sleeve.
10. Discharge device according to claim 8, wherein the feed sleeve has an inoperative locking area and at least one operative locking area spaced therefrom.
11. Discharge device according to claim 8, wherein the pressure sleeve can be transferred along the feed sleeve from a starting locking area into at least one further pressure locking area.
12. Discharge device according to claim 8, wherein the locking device is in the form of a corrugated sleeve and in the vicinity of a first sleeve face is provided at least one locking element and on a further face a stiffening preferably constructed as a holding flange.
13. Discharge device according to claim 8, wherein the locking device is in the form of a polygonal sleeve and in the vicinity of a first sleeve face is provided at least one locking element and on a further face a stiffening preferably constructed as a holding flange.

14. Discharge device according to claim 8, wherein the pressure sleeve, feed sleeve, locking element and medium reservoir are so matched to one another by means of locking devices that it is possible to at least perform a double discharge stroke of the discharge device.

15. Discharge device according to claim 14, wherein the pressure sleeve, feed sleeve, locking element and medium reservoir are matched to one another by means of positively acting locking devices.

16. Discharge device for manually producing a volume flow through a discharge stroke, comprising:

a medium reservoir for at least one medium;

a discharge opening;

a pumping device;

a holding area;

a locking device;

a feed sleeve;

a pressure sleeve;

a working area associated with said pumping device,

the working area having in an inoperative position a detachable, positive connection with the holding area via the locking device,

wherein the locking device has an at least zonally corrugated cross-section in at least one plane orthogonal to a discharge stroke direction,

wherein the feed sleeve at least zonally embraces the medium reservoir and has at least two spaced locking areas for a positive locking connection with the locking device and the pressure sleeve,

the feed sleeve being controllable by said pressure sleeve in such a way that an actuating force multiply applied by a user permits an at least double discharge of the medium.

17. Discharge device according to claim 16, wherein wherein the locking device in at least one plane orthogonal to a discharge stroke direction has an at least zonally polygonal cross section.